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中国唇形科假糙苏属的訂正

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REVISIO GENERIS PARAPHLOMIS LABIATARUM SINENSIUM

LI HSI-WEN
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假糙苏属(*Paraphlomis*)为 Prain 氏所創立,发表于印度1901年的加尔各答植物园年报(Ann. Bot. Gard. Calcutta IX: 60),共記述有3种,即 *P. javanica* (Bl.) Prain, *P. oblongifolia* (Bl.) Prain, 及 *P. rugosa* (Benth.) Prain, 其后經工藤祐舜(Kudo, 1929), Merrill (1934), 孙雄才(1935,1955),山本由松(Yamamoto, 1934), Hand.-Mazz. (1936), T. Doan (1936), 吳征鎰(1959)等人的研究,增添了不少种类,作者最近在吳征鎰教授指导下結合全国植物志唇形科的編写工作清理此属的我国植物标本,今将清理結果公布于下。

文中所依据的标本均系分别借自全国各植物研究机构及各大学标本室,对有关单位的协助,均在此致謝。文中插图由曾孝濂同志繪制,作者表示衷心感謝。

假糙苏属——Paraphlomis Prain

草本,或亚灌木,具根茎;根茎匍匐,斜行,密生鬚根;茎上升或直立,常下部伏地。叶膜质,薄紙质,坚紙质至近革质,边緣具齿,无柄或具长柄。輪繖花序多花乃至少花,有时少至每叶腋具1花;小苞片倒卵圓形,披針形,至鉆形,有时极微小而早落;花梗缺如或明显具梗。花萼管状,管状鈡形或倒圓錐形,外被单毛或具节毛,口部有时略收縮,逐漸增大,或驟然增大,平截至多折迭,5脉,多少明显,齿寬三角形、卵圓状三角形、三角形、长三角形或不明显,先端鉆形,刚毛状漸尖,針状,銳尖,漸尖,短尖至明显由脉向外呈翅状伸展,直伸,开展或反折。花冠筒內藏或伸出,內面具毛环,向上逐漸增大,冠簷2唇形,上唇扁平而直伸,或盔状而內凹,外面密被毛,下唇近水平开张,3裂,中裂片較大。雄蕊4,前对較长;花絲絲状,扁平,多少被毛;花葯2室,室略叉开。花柱絲状,伸出雄蕊外,先端近相等2裂,裂片鉆形。子房4裂,頂部截平,无毛或被毛。花盘环状至杯状,等高。小坚果倒卵球形至长圓状三稜形,无毛或被毛。

属模式: *Paraphlomis javanica* (Bl.) Prain (*Leonurus javanicus* Bl.)(产印度尼西亚的爪哇)。

到目前为止本属共24种8变种,均分布于东南亚,3种未見于我国(*P. oblongifolia* (Bl.) Prain 产印度尼西亚的爪哇,*P. javanica* (Bl.) Prain 产印度尼西亚的爪哇,*P.*

brevidens Merr. 产菲律宾)，我国計有 21 种 8 变种，本属分布最北达北緯 31°（湖北巴东），分布的北界在中部大抵以长江流域为界，但东部及西部偏南些。看来本属是一个第三紀古热带植物区系成分，呈現出星散分布的特征。

分組分系检索表

1(4) 花萼管状或管状鉔形 ……………………………………組 I. **假糙苏組** Sect. I. **Paraphlomis**

2(3) 萼齿明显，寬至狹三角形，先端鉆形，刚毛状漸尖，或具短尖头……………………………………………………系 1. **假糙苏系** Ser. 1. **Javanicae** C. Y. Wu et H. W. Li

3(2) 萼齿不明显，細小，因而萼口近平截而常折迭……………………………………………………系 2. **薄萼假糙苏系** Ser. 2. **Membranaceae** C. Y. Wu et H. W. Li

4(1) 花萼倒圓錐形…………………組 II. **短萼組** Sect. II. **Obconicocalyx** C. Y. Wu et H. W. Li

5(6) 萼齿披針状三角形，先端銳尖……………………………………………………系 3. **云和假糙苏系** Ser. 3. **Lancidentatae** C. Y. Wu et H. W. Li

6(5) 萼齿非披針状三角形。

7(8) 萼齿寬三角形至寬卵圓状三角形，先端鉆形，漸尖至短尖……………………………………………………系 4. **纤細假糙苏系** Ser. 4. **Graciles** C. Y. Wu et H. W. Li

8(7) 萼齿三角形或不明显因而萼口近截平，但先端明显由脉向外呈翅状伸展……………………………………………………系 5. **近革叶假糙苏系** Ser. 5. **Subcoriaceae** C. Y. Wu et H. W. Li

分 种 检 索 表

系 1. 假糙苏系

1(6) 叶卵圓形，卵圓状圓形或近圓形。

2(3) 茎及叶的两面疏生具节小刺毛；萼筒沿脉上密生具节小刺毛，萼齿狹三角形，先端刚毛状漸尖…………………………………………………… 6. **刺萼假糙苏** **P. seticalyx** C. Y. Wu

3(2) 茎、叶两面及萼均密被具节长柔毛或杂有短柔毛；萼齿寬三角形，先端短尖。

4(5) 劲直草本，茎、叶两面及萼均密生具节长柔毛并杂有短柔毛；花冠外密被白色长柔毛；小苞片微小…………………………………… 7. **白花假糙苏** **P. albiflora** (Hemsl.) Hand.-Mazz.

5(4) 曲折上升草本，茎、叶两面及萼均密生具节长柔毛，不杂有短柔毛；花冠外疏被短柔毛；小苞片綫形，长 4 毫米………………8. **曲茎假糙苏** **P. foliata** (Dunn) C. Y. Wu et H. W. Li

6(1) 叶椭圓形，椭圓状卵圓形，至长圓状椭圓形。

7(12) 萼均被具节刺毛。

8(9) 叶近革质，与茎均光滑无毛；萼上部及沿脉上疏生白色具节刺毛，余部具糙伏毛……………………………………………………4. **少刺毛假糙苏** **P. paucisetosa** C. Y. Wu

9(8) 叶膜质或薄紙质，与茎均被毛；萼密生刺毛。

10(11) 叶薄紙质，与茎均密生平展小刺毛………………5. **展毛假糙苏** **P. patentisetulosa** C. Y. Wu

11(10) 叶膜质，上面被糙伏毛及細乳突，沿脉被刺毛，背面具細白顆粒，沿脉被細糙伏毛及稀疏刺毛；茎密生倒向細平伏毛……………………………3. **刚毛假糙苏** **P. hispida** C. Y. Wu

12(7) 萼均不被具节刺毛。

13(14) 茎被倒向糙伏毛；萼无毛，或被小硬毛，果时毛常脱落或近于禿淨……………………………………………………1. **假糙苏** **P. rugosa** (Benth.) Prain

14(13) 茎及萼均密被污黄色具节长硬毛……………………2. **多硬毛假糙苏 P. hirsutissima** C. Y. Wu

系 2. **薄萼假糙苏系**

1 种　9. **薄萼假糙苏 P. membranacea** C. Y. Wu et H. W. Li

系 3. **云和假糙苏系**

1(1) 叶卵圓状披針形至披針形；花萼外被短柔毛………………12. **云和假糙苏 P. lancidentata** Sun

2(1) 叶闊三角状卵圓形至椭圓形或椭圓状卵圓形；花萼毛被非上述。

3(4) 叶闊三角状卵圓形；花萼外密被白色糙伏毛；小苞片叶状………………………………………………………………………………………………10. **絨毛假糙苏 P. albo-tomentosa** C. Y. Wu

4(3) 叶椭圓形或椭圓状卵圓形；花萼外被极密的絨毛；小苞片綫状披針形或刺芒状…………………………………………………………………………11. **絨头假糙苏 P. tomentoso-capitata** Yamamoto

系 4. **纤細假糙苏系**

1(2) 茎的上部，叶柄，以及叶下面(尤其是在中脉及側脉上)均密被白色倒伏疏柔毛……………………………………………………………………………17. **白毛假糙苏 P. albida** Hand.-Mazz.

2(1) 茎的上部，叶柄，以及叶下面毛被均非上述。

3(4) 植株各部疏被极短柔毛，或近于无毛 ……………14. **长叶假糙苏 P. lanceolata** Hand.-Mazz.

4(3) 植株各部密被倒向糙伏毛或短柔毛，非近于无毛。

5(6) 花冠筒比萼筒短；萼齿先端鉆形，基部寛大，开张，有时与萼筒等长……………………………………………………………………………………13. **纤細假糙苏 P. gracilis** Kudo

6(5) 花冠筒比萼筒长；萼齿先端不为鉆形。

7(10) 叶披針形或近于披針形。

8(9) 茎在下部极密被平展短柔毛，明显具沟；叶披針形，长漸尖，基部漸狹，边緣有不整齐鋸齿，叶柄細长，通常长 2 厘米；花冠毛环明显；子房无毛………………………………………………………………15. **小花假糙苏 P. parviflora** C. Y. Wu et H. W. Li

9(8) 茎全部密被下向貼生短柔毛，无沟；叶长圓状椭圓形，先端急尖，基部楔形，边緣有浅鋸齿，叶柄較短，通常长約 1 厘米；花冠毛环不明显；子房頂端被微柔毛……………………………………………………16. **八角花 P. kwangtungensis** C. Y. Wu et H. W. Li

10(7) 叶卵圓形，先端銳尖或漸銳尖，基部寛楔形而驟狹。

11(12) 叶膜質；花冠筒伸出萼筒很多；花葯具緣毛；子房无毛………………………………………………………………18. **中間假糙苏 P. intermedia** C. Y. Wu et H. W. Li

12(11) 叶坚紙質；花冠筒稍伸出萼筒；花葯无緣毛；子房頂端被短柔毛……………………………………………………………………19. **乡間假糙苏 P. pagantha** Doan

系 5. **近革叶假糙苏系**

1(2) 叶长圓形或卵圓状长圓形，长 5—8 厘米，寛 2.4—3.4 厘米，边緣有波状圓齿；萼齿明显三角形，萼口非近截形……………………20. **短叶假糙苏 P. brevifolia** C. Y. Wu et H. W. L.

2(1) 叶披針形至长披針形，长 7—15 厘米，寛 1.5—3 厘米，边緣在基部以上疏生浅鋸齿；萼齿不明显因而萼口近截平……………………………21. **近革叶假糙苏 P. subcoriacea** C. Y. Wu

組 I. **假糙苏組**

Sect. I. **Paraphlomis**

Calyx tubularis vel tubulari-campanulatus; dentibus conspicuis, late ad anguste triangularibus, apice subulatis, setaceo-acuminatis vel apiculatis; vel dentibus inconspicuis, minutis, itaque ore subtruncato et semper plicato.

系 1. **假糙苏系** 新系

Ser. 1. **Javanicae** C. Y. Wu et H. W. Li, ser. nov.

Calycis dentes conspicui, late ad anguste triangulares, apice subulati, setaceo-acuminati vel apiculati.

Typus seriei: *P. javanica* (Bl.) Prain

1. **假糙苏**(孙雄才,植物分类学报,第四卷)

Paraphlomis rugosa (Benth.) Prain in Ann. Bot. Gard. Calcutta IX (1901) 60, Pl. 74; Merr. Enum. Philipp. Fl. Pl. III (1922) 412; Ridley, Fl. Malay. Penins. II (1923) 651; Merr. in Lingnan. Agr. Rev. II (1925) 138; Kudo, Labiat. Sino-Japon. Prodr. in Mem. Fac. Sci. Agr. Taihoku Univ. II (1929) 209, p. p.; Sasaki, Cat. Governm. Herb. (1930) 443; Masam. Short Fl. Formosa (1936) 185; Doan in Fl. Gén. Indo-Chine IV (1936) 1015; Hand.-Mazz. Symb. Sin. VII (1936) 922; in Beih. Bot. Centralbl. LVIB (1939) 458; Sun in Act. Phytotax. Sin. IV (1955) 50, p. p. min.; C. Y. Wu, ibid. VIII (1959) 37.

Phlomis rugosa Benth. in Wall. Cat. n.2067 (1829), nom. nud.; in Wall. Pl. Asiat. Rar. I (1830) 63; Labiat. Gen. et Sp. (1836) 634; in Walp. Rep. III (1845) 889; et in DC. Prodr. XII (1848) 545; Hook. f. Fl. Brit. Ind. IV (1885) 693; Dunn in Notes Bot. Gard. Edinburgh VIII (1913) 168—9; VI (1915) 186, quoad specim. yunnanense.

Lamium longipetiolata Hayata, Icon. Pl. Formos. VIII (1919) 92.

1a. **假糙苏**

Paraphlomis rugosa (Benth.) Prain var. **rugosa**

云南: 屏边,蔡希陶 *55349*, *60848*; 勐海,王启无 *74917*; 景洪,王启无 *77455*; 易武,王启无 *80098*, *80169*; 龙陵,王启无 *89956*; 风庆,俞德浚 *17865*; 景东, 李鳴崗 *1260*, *2890*; 易武, 裴盛基 *59—9287*, *59—9378*, *59—9915*, *59—13272*; 屏边, 毛品一 *2292*; 馬关,武全安 *8406*; 易武, 李延輝 *147*, *1238*, *1619*; 金平, 周鉉 *184* (叶甚大,叶緣鋸齿不显)。

广西: 南丹,黃志 *41096*; 产地? ,采集人? *41096*; 百色,百色队 *1426*。

海南: 保亭,侯寬昭 *73247*。

据 Benth. (in DC. Prodr.)的記載,模式标本的小苞片、花萼均无毛, 花冠近于无毛; Hook. f. (in Fl. Brit. Ind.) 記載印度所产本种植物的花萼有无毛及具刚毛二类型; T. Doan (in Fl. Gén. Indo-Chine) 記載越南、老撾和泰国所产本种植物的花萼上部无毛,下部具刚毛;但我国所产本种植物花萼均密生細小硬毛,花冠毛被亦較多。

我国产云南东南部、南部及西南部,广西西南部,海南島及台湾 (未見标本) 等地热带混交林林蔭下,海拔 320—1350 (—2500?) 米。印度、巴基斯坦、緬甸北部、泰国、老撾、越南、馬来亚、印度尼西亚(爪哇)、菲律宾等处也有分布。模式标本采自 Silhet。

1b. **假糙苏小叶变种**(吳征鎰,植物分类学报,第八卷,第 38 頁)

Paraphlomis rugosa (Benth.) Prain var. **coronata** (Vaniot) C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 38.

Lamium? coronatum Vaniot in Bull. Acad. Géogr. Bot. XIV (1904) 174; Dunn in Journ. Linn. Soc. Bot. XXXIX (1911) 462.

Loxocalyx vaniotiana Lévl. in Repert. Sp. Nov. Fedde IX (1911) 224.

Phlomis rugosa auct. non Benth.: Forbes et Hemsl. Ind. Fl. Sin. II in Journ. Linn. Soc. Bot. XXVI (1890) 306; Dunn et Tutch. Fl. Kwangt. & Hongk. in Kew Bull. Add. Ser. X (1912) 212; Dunn in Notes Bot. Gard. Edinburgh VIII (1913) 168—9, VI (1915) 186, excl. specim. yunnanense.

Lamium gesneroides Hayata, Icon. Pl. Formos. VIII (1919) 92.

Paraphlomis albiflora auct. non Hemsl.: Sun in Contr. Biol. Lab. Sci. Soc. China VII (1932) 238.

Paraphlomis rugosa auct. plurium, quoad specim. subtrop., non (Benth.) Prain.

云南：麻栗坡，馮国楣 *12876*，*13570*；砚山，王启无 *84739*；麻栗坡，王启无 *86127*；广南，王启无 *88149*；金平，貫金 *8*；文山，蔡希陶 *58—8182*；同地，武素功 *61—3842*；金平，云南大学生物系无号。

四川：峨眉，賀賢育 *5675*，*7070*；同地，方文培 *12753*，*20542*；同地，熊济华 *32400*；北碚，L. Y. Lin *1308*。

貴州：三都？(Sanhoa)，蔣英 *6424*；毕节，蔡希陶 *52763*；貞丰，邓世緯 *90982*；沿河，黔北队 *2215*；德江，黔北队 *2880*；榕江，黔南队 *3430*；册亨，曹子余 *432*，*1192*；兴义，安順队 *555*；赤水，毕节队 *1212*；鰼水，毕节队 *1722*。

广西：隆林，张肇騫 *10228*；凌东，张肇騫 *10339*；兴安，兴安队 *151*；临桂，龙胜队 *50400*；容县，陈少卿 *842*；产地？，广西队 *6816*；古陈，辛树帜 *23784*；明江，广西博物館 *7598*；产地？，华南植物研究所标本 *222686*；外江，陈少卿 *15411*；大苗山，陈少卿 *15909*。

广东：連县，左景烈 *22728*；乐昌，陈念劬 *42318*；英德，陈焕鏞 *7060*；同地，梁向日 *60835*；翁源，刘心祈 *24056*，*25301*；乳源，刘心祈 *29101*；連南，譚沛祥 *59083*。

湖南：新宁，樊庆生、李育英 *672*；宜章，陈少卿 *2651*；武崗，张宏达 *4468*；黔阳，李泽棠 *2957*，*3033*，*3129*；会同，王德禎 *186*。

江西：产地？，莫熙穆 *21381*，*21453*。

本变种与假糙苏区别在于叶远較小，一般长 3—9 厘米（有时达 15 厘米），寬 1.5—6 厘米，肉质，緣疏生鋸齿或有小尖突的圓齿，常不显或极浅。

产云南（东南部）、四川、貴州、广西、广东、湖南、江西及台湾（未見标本）等地。生长在亚热带常綠林或混交林的林蔭下，海拔 400—2400 米。模式标本采于貴州安平 (Gan-pin)（今安順）附近(L. Martin, 1897 年 8 月 2 日，Bodinier 标本号 *1777*)。

1c. **假糙苏狭叶变种**（吳征鎰，植物分类学报，第八卷）　鬼灯籠树（海南），土結香（四川峨山）。

Paraphlomis rugosa (Benth.) Prain var. **angustifolia** C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 38.

云南：风庆（順宁），俞德浚 *16365*；屏边，王启无 *83025*；瑞丽，陈介 *541*。

四川：峨山，周太炎、徐国鈞 *148*；巴县，杜大华 *5153*；馬边，孙祥麟 *5776*；产地？，錢崇澍 *5802*；峨

眉，方文培 *12672*；同地，姚仲吾 *4920*（选定模式 Lectotypus，中国科学院植物研究所）；同地，李彩琪 *3376*；巴县，裴鉴 *7805*；青城山，王作宾 *10155*；峨眉，熊济华等 *32530*；南川，李国风 *65082*。

貴州：毕节，蔡希陶 *52777*；产地？，荔波队 *1638*。

广西：凌云，秦仁昌 *6818*；产地？，钟济新 *90901*；平南，黄志 *3994*；象县，黄志 *40171*；藤县，陈立卿 *91327*；平南，钟济新 *84708*；产地？，采集人？ *385*；蒼梧，陈少卿 *10350*。

广东：罗浮山，陈念劬 *41588*；連县，譚沛祥 *60186*；五指岭（海南）F. A. McClure *8502*；紅毛山（海南），曾怀德、馮欽 *302*。

湖南：保靖，刘林翰 *9722*。

本变种与假糙苏区别在于叶卵圓状披針形直至狹长披針形，具极不显著的細圓齿；萼齿尖明显針状，具細刚毛。生长于亚热常綠林或混交林林蔭下，海拔 500—1600 米。

1d. **假糙苏短齿变种**

Paraphlomis rugosa (Benth.) Prain var. **henryi** Yamamoto in Journ. Soc. Trop. Agr. Taiwan VI (1934) 555.

Paraphlomis rugosa auct. non (Benth.) Prain: C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 37, p.p. quoad specimen taiwanense.

台湾：台北，鈴木时夫（Suzuki Tokio）*19279*。

云南：河口，蔡克华 *1006*。

本变种与假糙苏区别在于叶緣鋸齿不显；萼齿很短，长 2 毫米，寬 1.5 毫米，先端不成針状。

产台湾及云南。生长于热带雨林及常綠林林蔭下。云南新記录。模式标本采于台湾高雄（A. Henry *1631*）。

2. **多硬毛假糙苏** 新种

Paraphlomis hirsutissima C. Y. Wu, sp. nov.

Species affinis *P. rugosae* (Benth.) Prain propriae, sed caulibus calycibusque fulvide septato-hirsutissimis facile differt.

Herba. Caulis flexuosus, obtuse quadrangulatus, quadrisulcatus, pilis retrorsis fulvidis septatis hirsutissimis obtectus. Folia elliptica, 5.5—13 cm longa, 2—5 cm lata, apice acuta, basi cuneata, supra basin remote calloso-undulato-dentata, chartacea, supra olivacea, juventute sparse hirtella, aetate subglabra, subtus fulvida, ad nervos pilis septatis densissime obtecta ceterum sparse hirsuta v. hirstella, nervis lateralibus 5—6-jugis, supra leviter impressis, subtus conspicue elevatis, oblique adscendentibus, ante marginem anastomosantibus; petiolus 2—5 cm longus, subcomplanatus, ventri leviter sulcatus, pilis fulvidis septatis hirsutis obtectus. Verticillastri 8—10-flori, basi bracteis paucis minutis subulatis 4 mm longis suffulti; pedicelli brevissimi vel subsessiles. Calyx fructifer immaturatus tubularis, ruber sed in sicca brunneus, 8—9 mm longus, ad faucem subito ampliatus, inconspicue 5-nervius; dentibus 5, circa 2 mm longis, late triangularibus, apice subulatis et reflexis. Nuculae immaturatae tantum visae.

Yunnan: Mar-li-po(麻栗坡), Hwang-ging-ying, 1300 m supra mare, Jan. 16, 1940, C. W. Wang

(王启无) *83913* (Typus HP*).

本种近假糙苏 *P. rugosa* (Benth.) Prain var. *rugosa*，但茎及萼均密生污黄色具节长硬毛极易区别。

3. 刚毛假糙苏(吳征鎰,植物分类学报,第八卷)

Paraphlomis hispida C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 39, Pl. IV, f. 14—18.

云南：麻栗坡,王启无 *83872*；西畴，王启无 *85447*；麻栗坡，馮国楣 *13539* (以上三号均为合模式 Syntypus)。

产云南东南部,生于密林或灌丛中,海拔 1200—1500 米。

4. 少刺毛假糙苏　新种

Paraphlomis paucisetosa C. Y. Wu, sp. nov.

Species affinis *P. hispidae* C. Y. Wu, sed foliis subcoriaceis, ut caulis glabris; calyce superne et ad nervos pilis albis septatis sparse setosis obtecto ceterum strigosis facile differt.

Suffrutex. Caulis adscendens, basi procumbens ad nodos radicans circa 7 mm in diametro, obtuse quadrangulatus, quadrisulcatus, glaber, striatellus, interdum lenticellis ellipticis ornatus. Folia ovato-elliptica, ad 20 cm longa, 10 cm lata, apice acuta, basi obtusa, supra basin irregulariter remoteque calloso-undulato-serrata, subcoriacea, supra olivacea, subtus pallidiora, costa brunnea, utrinque glabra, nervis lateralibus 4-jugis, supra inconspicuis, subtus subelevatis, oblique adscendentibus, ante marginem anastomosantibus; peti olus 8 cm longus, complanatus, glaber. Verticillastri multiflori, basi bracteis paucis lineatibus extus albo-septato-setosis suffulti; pedicelli brevissimi. Calyx fructifer tubulari-campanulatus, cum dentibus 1.7 cm longus, superne et ad nervos sparse albo-septato-setosus, ceterum strigosus, conspicue 5-nervius; dentibus 5, late triangularibus, apice setaceo-acuminatis. Corolla et genitalia non visa. Nuculae nigro-brunneae, 0.6 cm longae, ovideo-triquetrae, circa 6 mm longae, circa 3.5 mm latae, apice rotundatae, basi attenuatae, glabrae.

Kwangsi: Ling-lo 凌乐 (Ling-yun 凌云), Martio 12, 1936, Museum Kwangsiense *10419* (Typus HC**)

本种与刚毛假糙苏 *P. hispida* C. Y. Wu 較近,但叶近革质，与茎均无毛；萼上部及沿脉上疏生白色具节刺毛,余部具糙伏毛极易区别。

5. 展毛假糙苏　新种

Paraphlomis patentisetulosa C. Y. Wu, sp. nov.

Species affinis *P. hispidae* C. Y. Wu, sed planta pilis setulosis patentibus obtecta facile differt.

Herba robusta humilis, 15 cm alta, pilis setulosis patentibus fulvidis dense obtecta.

* HP = Herb. Inst. Bot. Acad. Sin., Peking.
** HC = Herb. Inst. Bot. Austro-Sin. Acad. Sin., Canton.

Caulis ascendens, basi procumbens, obtuse quadrangulatus, quadrisulcatus, basin versus defoliatus, superne foliatus, internodiis perbrevibus. Folia elliptica vel oblongo-elliptica, 5.5—14.5 cm longa, 2.5—7 cm lata, apice acuta, basi late cuneata, rotundata ad rotundato-cordata, irregulariter undulato-serrata, papyracea, supra olivacea, subtus pallidiora, pilis ad nervos venosque dense ceterum sparse obtecta, nervis lateralibus 8—9-jugis supra leviter impressis subtus elevatis, venis subtus conspicuis; petiolus 2—8 cm longus, complanatus, ventri leviter sulcatus. Verticillastri multiflori, aggregati, ambitu globosi, in fructu circa 2.5 cm in diametro, in axillis foliorum superiorum inserti, basi bracteis paucis subulatis vel linearibus 8 mm longis extus piliferis intus glabris suffulti; pedicelli brevissimi. Calyx fructifer tubulari-campanulatus, cum dentibus ad 1.1 cm longus, extus setulosus, intus glaber, conspicue 5-nervius; dentibus 5, circa 3 mm longis, late triangularibus. Nuculae apice setaceo-brunneae, oblongo-triquetrae, 6 mm longae, 2.5—2.75 mm latae, apice rotundatae, basi attenuatae, glabrae.

Kwangtung: Sun-yi (信宜), Nov. 15, 1934, C. Wang (黄志) *37875* (Typus HC)

本种近刚毛假糙苏 *P. hispida* C. Y. Wu, 但植株被平展小刺毛极易区别。

6. **刺萼假糙苏** 新种

Paraphlomis seticalyx C. Y. Wu, sp. nov.

Species affinis *P. albiflorae* (Hemsl.) Hand.-Mazz., sed caule et foliis utrinque pilis septatis setulosis dense obtecto, calycis tubo ad nervos pilis septatis setulosis sparse obtecto et dentibus anguste triangularibus apice setaceo-acuminatis differt.

Herba 40—60 cm alta; rhizomate repente, ad nodos radicibus fibrosis dense radicante. Caulis solitarius, adscendens, basi semper procumbens, superne interdum flexuosus, obtuse quadrangulatus, quadrisulcatus, pilis setulosis septatis floccosis fulvidis sparse obtectus, basin versus defoliatus, superne foliatus. Folia ovata, ovato-rotundata vel subrotundata, 10—12 cm longa, 6—8 cm lata, apice acuta, basi late cuneata, subrotundata vel leviter cordata, ad marginem irregulariter calloso-crenata, chartacea, supra flavo-viridia, subtus glauco-viridia, supra consperse subtus ad nervos pilis setulosis septatis fulvidis vestita, subtus inter nervos ubique aureo-glandulifera, nervis lateralibus 4-jugis, supra leviter impressis subtus elevatis; petiolus gracilis, 3.5—9 cm longus, complanatus, angusto-alatus, pilis setulosis septatis fulvidis sparse vestitus. Verticillastri 10—18-flori, interdum superiores 2-flori, ambitu subglobosi, ante anthesin 2.5 cm in diametro, basi bracteis paucis linearibus 2—7 mm longis 0.75 mm latis extus septato-pilosulis intus glabris suffulti; pedicelli brevissimi vel subsessiles. Calyx tubularis, cum dentibus 1—1.2 cm longus, chartaceus, extus ad nervos pilis fulvidis septatis setulosis obtectus, intus ad faucem dentesve pubescens, conspicue 10-nervius; dentibus 5, 3 mm longis, anguste triangularibus 1—1.25 mm latis, apice setaceo-acuminatis. Corolla alba vel ad faucem purpureo-punctata, 1.8 cm longa; tubo recto, cylindrico, aequale sed ad faucem leviter ampliato, extus sparse piloso, intus infra medium oblique annulato; limbo bilabiato, labio superiore oblongo

leviter concavo integro extus dense piloso intus glabro, labio inferiore 3-lobato, lobo medio majore trapezoideo margine undulato extus ad medium piloso ceterum et intus glabro, lobis lateralibus ovatis. Stamina 4, 2 inferiora longiora; filamentis filiformibus, leviter barbatis, ad faucem corollae insertis; antheris oblongis, 2-locularibus, loculis parallelis vel divergentibus. Stylus filiformis, apice inaequaliter bifidus. Ovarium apice truncatum, glabrum.

Kwangsi: Ku-cheng(古陈), Jun. 29, 1931, S. S. Sin (辛树炽) *21627*; Lo-mong (罗蒙), Jun. 24, 1931, S. S. Sin *22331* (Typus HC); Ku-cheng, Jun. 26, 1934, S. S. Sin *23298*; Lung-sheng (龙胜), Jul. 19, 1955, Kwang-foo Expeditio (广福队) *645*; ibid., Jul. 8, 1955, Kwang-foo Expeditio *873*; loco?, Jun. 12, 1953, Kwangsi Expeditio (广西队) *2579*; Shi-wan-da-shan (十万大山), Hwang-kwang-Shan (黄光山), Aug. 6, 1957, H. Y. Liang (梁向日) *70025*; Da-miao-shan (大苗山), Kiu-wan-shan (九万山), *500*m supra mare, Jul. 10, 1958, S. H. Chun (陈少卿) *14852*。

本种近于白花假糙苏 *P. albiflora* (Hemsl.) Hand.-Mazz. 但茎、叶两面疏生具节小刺毛，萼筒沿脉上密生具节小刺毛，萼齿狭三角形，先端刚毛状渐尖。

7. **白花假糙苏**(孙雄才，植物分类学报，第四卷) 四輪麻(四川忠县)

Paraphlomis albiflora (Hemsl.) Hand.-Mazz. in Act. Hort. Gothob. XIII (1939) 347; Sun in Act. Phytotax. Sin. IV (1955) 49, exclud. syn. Paraphlomis albida Hand.-Mazz. var. brevidens Hand.-Mazz.; C. Y. Wu, ibid. VIII (1959) 36.

Phlomis albiflora Hemsl. in Journ. Linn. Soc. Bot. XXVI (1890) 304 (Ind. Fl. Sin. II); Dunn in Notes Bot. Gard. Edinburgh VI (1915) 185; Kudo, Labiat. Sino-Japon. Prodr. in Mem. Fac. Sci. Agr. Taihoku Univ. II (1929) 217.

Paraphlomis hirsuta Hand.-Mazz. Symb. Sin. VII (1936) 922.

7a. **白花假糙苏**

Paraphlomis albiflora (Hemsl.) Hand.-Mazz. var. **albiflora**

湖北: 巴东，王作宾 *10836*, *10874*; 宜昌; 钟观光 *3506* (各号均为同地模式 Topotypus, 按原描写钟观光 *3506* 更为典型)。

四川: 忠县，馮永华 *1816*。

本种产湖北西部(宜昌，巴东及南图一带)，四川东部(忠县)，生长于谷地潮湿处，海拔100—800米。模式标本(A. Henry *720*, *1575*, *1910*, *3576*)采于湖北的宜昌、巴东及南图一带。四川为新記录。

7b. **白花假糙苏二花变种** 理阳参(四川巴县)

Paraphlomis albiflora (Hemsl.) Hand.-Mazz. var. **biflora** (Sun) C. Y. Wu, comb. nov.

Paraphlomis biflora Sun in Act. Phytotax. Sin. IV (1955) 47, Pl. 5; C. Y. Wu, ibid. VIII (1959) 36.

四川: 巴县，王树嘉 *1284* (*P. biflora* Sun 的 Paratypus); 同地，何鏞、周子林 *1241*。

本变种与白花假糙苏的区别在于：植株具块茎，各部被毛均較疏短；輪繖花序 1—3 花。

产四川中部(巴县),生于荒地上。

8. **曲茎假糙苏** 新組合

Paraphlomis foliata (Dunn) C. Y. Wu et H. W. Li, comb. nov.

Lamium foliatum Dunn in Journ. Linn. Soc. Bot. XXXVIII (1908) 363; et in Notes Bot. Gard. Edinburgh VI (1915) 182.

福建: 南平,何景 *2208* (同地模式 Topotypus)。

广东: 乐昌,李耀 *1063*。

产福建及广东。模式标本(Dunn s. n. 1905 年 4—6 月,秦氏照片 *11112*)采自福建延平(今南平)。广东为新記录。

广东标本在体态上与模式照片十分一致,但茎下部的輪繖花序有时具长达 1.1 厘米的总梗,以及萼齿稍长微有差异。

系 2. **薄萼假糙苏系**

Ser. 2. **Membranaceae** C. Y. Wu et H. W. Li, ser. nov.

Calycis dentes late triangulares, minuti, inconspicui, itaque calycis os subtruncatus et semper plicatus.

Typus seriei: *P. membranacea* C. Y. Wu et H. W. Li

9. **薄萼假糙苏** 新种 图版十六

Paraphlomis membranacea C. Y. Wu et H. W. Li, sp. nov. Pl. XVI

Species a dentibus calycis late triangularibus, minutis, inconspicuis, itaque ore subtruncato et semper plicato bene notata.

Herba 50 cm alta; rhizomate repente, ad nodos radicibus fibrosis dense radicante. Caulis adscendens, inferne procumbens, obtuse quadrangulatus, quadrisulcatus, conspicue striatus, basi 7 mm in diametro, strigosus, aetate glaber, cortice lacerate deciduo. Folia ovata, 11—18 cm longa, 6—8 cm lata, apice acuta, basi rotundata, ad marginem crenulata, membranacea, supra ad nervos dense ceterum sparse puberula, ubique pilis septato-setosis intermixtis praedita, subtus ad nervos dense ceterum sparse puberula, nervis lateralibus 2-jugis, omnibus e basi foliorum emittentibus, inter se venis transversalibus conjunctis, ut costa utrinque leviter prominentibus; petiolus 2—6 cm longus, subcomplanatus, ventri leviter sulcatus, dense puberulus. Verticillastri multiflori, ambitu globosi, corolla exclusa 2—3 cm in diametro, basi bracteis paucis suffulti; bracteae membranaceae, oblanceolatae vel obovatae, 3—6 mm longae, 2—3 mm latae, conspicue costatae, supra apice sparse septato-setosae, subtus glabrae; pedicelli nulli. Calyx tubulari-campanulatus, membranaceus, subtransparens, extus superne sparse albo-septato-setosus, intus glaber, circa 7 mm longus, conspicue 5-nervius; dentibus 5, late triangularibus, mucronulatis, vix 1 mm longis, circa 2 mm latis; ore subtruncato et semper plicato. Corolla purpurea, 1.5 cm longa; tubo gracile, ad 1 cm longo, 1.2 mm in diametro, aequale, extus glabro, intus ad medium oblique piloso-annulato; limbo extus albo-septato-setoso, intus glabro, bilabiato, labio superiore oblongo, circa 5 mm longo, recto, integro, labio inferiore horizontaliter

patente, 3-partito, lobo medio majore, ovato, apice emarginato, lobis lateralibus longe ellipticis, integris. Stamina 4, 2 inferiora longiora, labium superius aequantia vel superantia; filamentis filiformibus, complanatis, leviter pilosulis, ad faucem corollae insertis; antheris ellipticis, 2-locularibus, loculis divergentibus. Stylus stamina paullo superans, apice subaequaliter bifidus, lobis subulatis, divaricatis. Discus cupuliformis, 0.5 mm altus. Ovarium nigro-brunneum, apice truncatum, glabrum. Nuculae immaturae tantum visae.

Yunnan: Ho-kou (河口), 80 m supra mare, Jul. 7, 1953, W. S. Liou (刘伟心) *202* (Typus HK*); Ging-ping (金平), 2500m supra mare, Dec. 11, 1958, H. W. Li (李錫文) *410*.

本种因其蕚齿寬三角形，細小，不明显，因而蕚几近平截而常折迭极为特异。

組 II. **短蕚組**　新組

Sect. II. **Obconicocalyx** C. Y. Wu et H. W. Li, sect. nov.

Calyx obconicus; dentibus lanceolato-triangularibus apice acutis, vel late triangularibus ad ovato-triangularibus apice subulatis, acuminatis ad apiculatis, vel triangularibus vel inconspicuis itaque ore subtruncato sed apice alaeformibus conspicue e nervis extra protrudentibus.

Typus sectionis: *P. gracilis* Kudo

系 3. **云和假糙苏系**　新系

Ser. 1. **Lancidentatae** C. Y. Wu et H. W. Li, ser. nov.

Calycis dentes lanceolato-triangulares, apice acuti.

Typus seriei: *P. lancidentata* Sun

10. **絨毛假糙苏**　(吳征鎰，植物分类学报，第八卷)　野芝麻(湖南永順)

Paraphlomis albo-tomentosa C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 36, Pl. IV, f. 1—13.

湖南： 永順，湖南队 *330* (全模式 Holotypus)。

11. **絨头假糙苏**

Paraphlomis tomentoso-capitata Yamamoto in Journ. Soc. Trop. Agr. Taiwan VI (1934) 556.

产台湾，标本未見。模式标本(山本由松 Yamamoto 及 Fukakai *1091*) 采于花蓮港。

12. **云和假糙苏**　(孙雄才，植物分类学报，第四卷)

Paraphlomis lancidentata Sun in Contr. Biol. Lab. Sci. Soc. China X (1935) 30, Pl. 6; et in Act. Phytotax. Sin. IV (1955) 49, p. p., specim. Tsang 672 exclus.

产浙江云和，标本未見。模式标本：陈詩 *1698*。

系 4. **纖細假糙苏系**　新系

Ser. 4. **Graciles** C. Y. Wu et H. W. Li, ser. nov.

Calycis dentes late triangulares ad late ovato-triangulares, apice subulatis, acuminatis ad apiculatis.

Typus seriei: *P. gracilis* Kudo

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* HK = Herb. Filii Kunming. Inst. Bot. Acad. Sin., Kunming.

13. 纤細假糙苏

Paraphlomis gracilis Kudo, Labiat. Sino-Japon. Prodr. in Mem. Fac. Sci. Agr. Taihoku Univ. II (1929) 210; Sasaki, Cat. Governm. Herb. (1930) 443; Hand.-Mazz. Symb. Sin. VII (1936) 922; Masam. Short Fl. Formosa (1936) 185; Sun in Act. Phytotax. Sin. IV (1955) 50, p. p. quoad specimen hupehense; C. Y. Wu, ibid. VIII (1959) 34, specimine taiwanense excluso.

Phlomis gracilis Hemsl. in Journ. Linn. Soc. Bot. XXVI (1890) 35 (Ind. Fl. Sin. II); Dunn in Notes Bot. Gard. Edinburgh VI (1915) 186, non Salisb. (1794), quod est *Leucas zeylanica*.

? *Ajuga formosana* Hayata in Matsum. et Hayata Enum. Pl. Formos. in Journ. Coll. Sci. Univ. Tokyo XXII (1906) 318; et in Repert. Sp. Nov. Fedde VI (1908—1909) 197.

? *Lamium formosanum* Nakai ex Hayata, Gen. Ind. Fl. Formos. (1917) 98; Hayata. Icon. Pl. Formos. VIII (1919) 90.

13a. 纤細假糙苏

Paraphlomis gracilis Kudo var. **gracilis**

湖北: 巴东,周鶴昌 *936*; 同地,王作宾 *10957* (二号均同地模式 Topotypus)。

湖南: 永顺,湖南队 *95*, *201*。

貴州: 松桃,黔北队 *1343*。

台湾产的 *Ajuga formosana* Hayata 被 Kudo 作为 *Paraphlomis gracilis* Kudo 的异名看待,但据 Hayata 的描写該植株各部 (茎、叶两面) 均被絨毛 ("tomentosa"), 似不符合 Hemsl. 的原描写,今因缺台湾标本,故暫存疑。

本种分布于湖北(西部)、湖南、貴州及台湾,生长于密林下蔭处,海拔 600—810 米。湖南及貴州为新記录。模式标本(A. Henry *2089*, *4111*)产湖北的宜昌、南图一带。

13b. 纤細假糙苏罗甸变种 (吳征鎰,植物分类学报,第八卷)

Paraphlomis gracilis Kudo var. **lutienensis** (Sun) C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 34.

Paraphlomis lutienensis Sun, ibid. IV (1955) 48, Pl. 6.

Paraphlomis albiflora auct. non (Hemsl.) Hand.-Mazz.: Sun, ibid. IV (1955) 49, quoad specimen W. P. Fang 5759.

貴州: 罗甸(罗斛),蔣英 *7198* (*Paraphlomis lutienensis* 的全模式 Holotypus); 都匀,蔣英 *5795*; 凱里,黔南队 *2349*。

四川: 南川,方文培 *5759*; 同地,曲仲湘 *1526*; 同地,賀賢育 *5368*; 同地,李国凤 *62492*, *62519*, *62632*, *91854*; 同地,熊济华、周子林 *92880*, *93181*。

广西: 凌云,刘心祈 *28516*。

广东: 阳山,邓良 *138*, *172*。

本变种与纤細假糙苏区别在于叶較狭长、基部下延而呈无柄状,花黄色,花梗通常較长。产四川、貴州、广西及广东;生长于溪旁蔭蔽处,海拔 300—1400 米。除貴州外,四川、广西及广东均为新記录。

14. **长叶假糙苏**　(吳征鎰,植物分类学报,第八卷)

Paraphlomis lanceolata Hand.-Mazz. Symb. sin. VII (1936) 922, Abb. 27, nr. 2; C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 34.

Paraphlomis lancidentata auct. non Sun: C. Y. Wu, l.c. VIII (1959) 35.

14a. **长叶假糙苏**

Paraphlomis lanceolata Hand.-Mazz. var. **lanceolata**

湖南: 安江,李泽棠 *13*; 黔阳,李泽棠 *744, 1229*; 产地?,辛树炽 *12*。

广东: 阳山,邓良 *1164*。

产湖南及广东，生长于亚热带闊叶林下，海拔 1000—1200 米。模式标本采自湖南武崗云山1000—1200米闊叶林下(Hand.-Mazz. *12247*)。广东为新記录。

14b. **长叶假糙苏无柄变种**　(吳征鎰,植物分类学报,第八卷)

Paraphlomis lanceolata Hand.-Mazz. var. **sessilifolia** Hand.-Mazz. Symb. Sin. VII (1936) 922; C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 34.

广西: 罗城,秦仁昌 *5806* (等模式 Isotypus); 瑶山,辛树炽 *845*; 古陈,辛树炽 *21576, 21622*; 罗蒙,辛树炽 *22306, 22342*; 古陈，辛树炽 *23278*; 龙胜，广福林区采集队 *187, 669*; 大苗山，陈德昭 *541*; 同地,陈少卿 *14649, 14874*。

本变种与长叶假糙苏的区别是叶无柄,与茎均被稀疏而短的疏柔毛,花冠黄色。

产广西;生长于山谷林中，沟旁或蔭湿地，海拔 600—1700 米。此变种与纤細假糙苏罗甸变种 *P. gracilis* Kudo var. *lutienensis* (Sun) C. Y. Wu 极为接近,但以开花时老叶背面近于无毛可以区别。

14c. **长叶假糙苏紅花变种**　(吳征鎰,植物分类学报,第八卷)

Paraphlomis lanceolata Hand.-Mazz. var. **subrosea** Hand.-Mazz. Symb. Sin. VII (1936) 922; C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 34.

本变种与长叶假糙苏的区别在于花冠白蔷薇色。模式标本 (Hand.-Mazz. *11108*) 采自湖南西南的武崗云山。标本未見。

15. **小花假糙苏**　新种

Paraphlomis parviflora C. Y. Wu et H. W. Li, sp. nov.

Species affinis *P. gracili* Kudo et *P. kwangtungensi* C. Y. Wu et H. W. Li, a priori floribus minoribus, vix 1 cm longis, conspicue pedicellatis, calycis dentibus brevibus, apice non subulatis; a posteriori caule inferne pilis pubescentibus patentibus obtecto, conspicue sulcato, foliis lanceolatis, acuminatis, basi angustatis, petiolis gracilibus, semper 2 cm longis, corollae tubo conspicue annulato, ovario glabro differt.

Herba erecta, circa 35 cm alta; rhizomate oblique repente, ad nodos radicibus fibrosis dense radicante. Caulis solitarius, quadrangulatus, conspicue quadrisulcatus, basi 2.5 mm in diametro, pilis pubescentibus flavescentibus superne appressis retroversisque inferne ± patentibus densissime obtectus. Folia lanceolata, circa 10 cm longa, circa 3.5 cm lata, apice acuminata, basi angustata, margine irregulariter calloso-serrata, membranacea, supra ad costam nervosque laterales densissime ceterum sparse flavescenti-pubescentia, subtus

sparse flavescenti-pubescentia sed glandulis immersis dense obtecta, nervis lateralibus 4—5-jugis, supra leviter impressis subtus elevatis, adscendentibus, ante marginem anastomosantibus; petiolus (0.5) 2—2.5 cm longus, superior brevior, inferior longior, pilis pubescentibus flavescentibus densissime obtectus. Verticillastri semper 5—7-flori, interdum 3—4-flori, in axillas foliorum superiorum inserti; bracteae minutissimae, subulatae, circa 1 mm longae, subtus pilis pubescentibus flavescentibus dense obtectae; pedicelli conspicui, circa 2 mm longi, pilis pubescentibus flavescentibus antrorsis sparse obtecti. Calyx obconicus, cum dentibus 5 mm longus, ad faucem ampliatus et ad 3 mm in diametro, pilis pubescentibus flavescentibus antrorsis extus sparse intus ad dentes sparse obtectus, ceterum glaber, inconspicue 5-nervius; dentibus 5, late triangularibus, 1.5 mm longis, 1.25 mm latis, apice acuminatis. Corolla circa 9 mm longa; tubo circa 4 mm longo, superne flavescenti-pubescente, inferne glabro, intus ad medium annulo piloso denso albo horizontale ornato; limbo 2-bilabiato, labio superiore recto, oblongo, integro, extus densissime pubescente, intus glabro, labio inferiore lato, horizontaliter patente, extus sparse pubescente, intus glabro, 3-lobato, lobo medio majore. Stamina 4, 2 inferiora longiora, sub labio superiore adscendentia vel id paulo superantia; filamentis filiformibus, albo-pilosulis; antheris oblongis, 2-locularibus, loculis divergentibus. Stylus filiformis, apice subaequaliter bifidus. Discus cupuliformis, 0.25 mm altus. Ovarium glabrum.

Taiwan: Sin-chu (新竹), Chu-tong (竹东), 1520 m supra mare, Jun. 23, 1940, Suzuki-Tokio (鈴木时夫) (Herb. Univ. Imp. Taihoku. ST *20399*) (Typus HP).

本种近纖細假糙苏 *P. gracilis* Kudo 及八角花 *P. kwangtungensis* C. Y. Wu et H. W. Li, 与前者区别在于花較小,长不及1厘米,明显具花梗,萼齿短,先端不呈鉆形;与后者区别在于茎下部极密被平展短柔毛,明显具沟;叶披針形,漸尖,基部漸狭,叶柄細长,通常长2厘米,花冠毛环明显,子房无毛。

16. **八角花**(广东) 新种

Paraphlomis kwangtungensis C. Y. Wu et W. H. Li, sp. nov.

Paraphlomis gracilis auct. non Kudo: Sun in Act. Phytotax. Sin. IV (1955) 50, p.p. quoad specimen kwangtungense.

Herba erecta, circa 25 cm alta. Caulis solitarius, basi subteres, circa 2.5 mm in diametro, glaber, obtuse quadrangulatus, pilis pubescentibus flavescentibus retrorsis densissime obtectus, non sulcatus. Folia oblongo-elliptica, 6—8 cm longa, 2—3 cm lata, apice acuta, basi cuneata, margine leviter serrata, chartacea, utrinque dense sed ad nervos laterales densius puberula, nervis lateralibus 4—5-jugis, ut costa supra leviter impressis subtus conspicue elevatis, adscendentibus, ante marginem anastomosantibus; petiolus 0.5—1.5 cm longus, plano-convexus, dense puberulus. Verticillastri 2—5-flori, in axillas foliorum superiorum inserti; bracteae minutissimae, subulatae, vix 1 mm longae, subtus pubescentes, supra subglabrae; pedicellus 1.25 mm longus, pubescens. Calyx obconicus, cum dentibus ad 4 mm longus, extus pilis pubescentibus flavescentibus appressis sparse obtectus, in-

tus ad dentes puberulus ceterum glaber, conspicue 5-nervius, nervis intermediis inconspicuis; dentibus 5, late triangularibus, circa 1.25 mm longis, apice apiculatis. Corolla circa 9 mm longa; tubo circa 4 mm longo, extus glabro, intus sub staminibus annulo piloso sparso inconspicuo ornato; limbo bilabiato, labio superiore recto, extus puberulo, intus glabro, oblongo, integro, labio inferiore horizontaliter patente, extus puberulo, intus glabro, 3-lobato, lobo medio majore. Stamina 4, sub labio inferiore adscendentia; filamentis filiformibus, complanatis, basi albo-pilosulis; antheris oblongis, 2-locularibus, loculis divergentibus. Stylus filiformis, apice subaequaliter bifidus. Discus annulatus, circa 2 mm altus. Ovarium apice puberulum.

Kwangtung: Ch'auenshan (潮州?), Fungwanhui(凤凰湖), Jul. 14, 1924, K. P. To (杜庚平) et W. T. Tsang (曾怀德) *12842* (Typus HN*)

17. **白毛假糙苏** (吳征鎰,植物分类学报,第八卷,第 35 頁)

Paraphlomis albida Hand.-Mazz. Symb. Sin. VII (1936) 922, Abb. 27, Nr. 1; et in Act. Hort. Gothob. VIII (1939) 347.

17a. **白毛假糙苏**

Paraphlomis albida Hand.-Mazz. var. **albida**

湖南: 常宁,樊庆笙、李育英 *91*, *197*, *198*。

广东: 連南,譚沛祥 *59221*; 始兴,邓良 *7049*; 仁化,邓良 *7409*。

模式标本(Hand.-Mazz. *11054*)采自湖南西南部安江一带,海拔 250—900 米。广东北部为新記录。

17b. **白毛假糙苏短齿变种**

Paraphlomis albida Hand.-Mazz. var. **brevidens** Hand.-Mazz. Symb. Sin. VII (1936) 922.

Paraphlomis albiflora auct. non (Hemsl.) Hand.-Mazz.: Sun in Act. Phytotax. Sin. IV (1955) 49, p.p. quoad specimen Tsiang 10266.

Paraphlomis albida auct. non Hand.-Mazz.: C. Y. Wu in Act. Phytotax. Sin. VIII (1959) 35.

湖南: 黔阳 (安江), 李泽棠 *13* A, *58*, *144*; 黔阳, 李泽棠 *2549* (一部分标本訂为 *P. lanceolata* Hand.-Mazz.); 南岳,刘瑛 *331*; 同地,关克俭 *43*; 南岳,李丙貴 *417*; 宜章,梁宝汉 *83625*; 衡山,楊衡晉 *5735*;?, 把把,陈鴻逵 *86*。

江西: 丰城,蔣英 *10266*。

福建: 連城,林鎔 *3572*; 崇安,吳光先无号;产地? ,采集人? *117*。

广东: 和平,卫兆芬 *120455*; 河源,卫兆芬 *120583*。

广西: 容县,陈少卿 *9553*。

台湾: 台东,佐佐木舜一(Sasaki)无号(ST *22637*,照片)。

变种的特征是萼齿寛卵圆状三角形,先端短尖;模式标本(王德輝 Plt. Sin. *233*)采自江西西部的萍乡。从上述标本看来除湖南安江一带外萼筒均較长大,但萼齿性状沒变化。

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* HN = Herb. Inst. Bot. Nanking. Acad. Sin., Nanking.

吴征鎰 1959 年提到本变种与白毛假糙苏不可分，但今从較多标本看来这一萼齿特状比較固定，仍可区分开来。湖南、福建、广东、广西、台湾均新記录。

18. **中間假糙苏** 新种

Paraphlomis intermedia C. Y. Wu et H. W. Li, sp. nov.

Paraphlomis gracilis auct. non Kudo: Sun in Act. Phytotax. Sin. IV (1955) 50, p.p. min. quoad specimen Y. Y. Ho 3208.

Species affinis *P. albidae* Hand.-Mazz. et *P. gracili* Kudo, a priori caule superne petiolisque necnon foliis subtus non pilis accumbentibus albidis dense obtectis, a posteriori calyce minore, dentibus perbrevibus, apice apiculatis, corolla calycem multo superante, foliis ovatis differt.

Herba erecta, ad 100 cm alta; rhizomate repente, obliquo, radicibus fibrosis dense radicante. Caulis solitarius, obtuse quadrangulatus, leviter quadrisulcatus, retrorse pubescens, basi ad 4 mm crassus, inferne defoliatus, superne foliatus, non ramosus. Folia ovata, 6.5—11 cm longa, 4—6.5 cm lata, apice acuta ad acuminata, basi late cuneata, subito anguste decurrentia, supra basin crenato-serrata, membranacea, supra viridia, subtus pallidiora, utrinque sparse puberula et glandulosa, nervis lateralibus 4—5-jugis, ut costa supra leviter subtus conspicue elevatis, oblique adscendentibus, ante marginem anastomosantibus, venis subtus prominentibus; petiolus 1.5—4 cm longus, plano-convexus, anguste alatus, puberulus. Verticillastri 10—14-flori, ambitu globosi, cum corollis circa 3 cm in diametro; bracteae minutissimae, subulatae, circa 0.5 mm longae, costatae, ad marginem ciliolatae, caducae; pedicelli subnulli. Calyx obconicus, cum dentibus circa 5 mm longus, extus sparse puberulus, intus ad dentes puberulus ceterum glaber, conspicue 5-nervius; dentibus 5, aequalibus, late triangularibus, brevibus, circa 1 mm longis, apice apiculatis. Corolla alba, 1.5 cm longa; tubo circa 9 mm longo, basi 1.25 mm in diametro, ad faucem circa 3 mm lato, extus sparse pubescente et glanduloso, intus ad 1/3 basin annulo pilosulo albo subhorizontale ornato; limbo bilabiato, extus sparse pubescente et glanduloso, intus glabro, labio superiore oblongo, integro, labio inferiore lato, ambitu ovato, 3-lobato, lobo medio ovato, majore, lobis lateralibus oblongis. Stamina 4, 2 inferiora longiora, omnia sub labio superiore adscendentia; filamentis filiformibus, complanatis, albo-pilosulis; antheris ovatis, ciliatis, 2-locularibus. Stylus stamina paulo superans, apice subaequaliter bifidus, lobis divaricatis. Discus cupuliformis. Ovarium nigro-brunneum, apice truncatum, leviter puberulum. Nuculae oblongo-triquetrae, 2.2 mm longae, 1.25 mm latae, brunneae, apice truncatae, basi attenuatae, leviter puberulae.

Chekiang: Lung-Chüan (龙泉), Oct. 8, 1934, Y. Y. Ho (賀賢育) *3208* (Typus HN); ibid., S. Y. Chang(章紹尧) *2828*; ibid., Dec. 9, 1959, S. Y. Chang *7384* (fr.).

Anhwei: Siu-nin (休宁), 390 m supra mare, Aug. 4, 1925, R. C. Ching (秦仁昌)*4453*.

本种近白毛假糙苏 *P. albida* Hand.-Mazz. 及纤細假糙苏 *P. gracilis* Kudo, 与后者区别在于萼細小，萼齿甚短，先端短尖，花冠伸出萼筒很多，叶卵圓形；与前者区别在于

茎上部、叶柄及叶背均非密被白色伏貼疏柔毛。

19. **乡間假糙苏**

Paraphlomis pagantha Doan in Fl. Gén. Indo-Chine IV (1936) 1015, Pl. 106, f. 1—6.

Paraphlomis lancidentata Sun in Act. Phytotax. Sin. IV (1955) 49, p.p. quoad specimen Tsang 672.

Paraphlomis brevidens auct. non Merr.: C. Y. Wu, ibid. VIII (1959) 39.

海南：儋州，曾怀德 *544*；乐东，刘心祈 *27154*；保亭，侯寬昭 *71953*。

本种系我国新分布；模式标本采于越南河内以北的 Bavi 山。

系 5. **近革叶假糙苏系**　新系

Ser. 5. **Subcoriaceae** C. Y. Wu et H. W. Li, ser. nov.

Calycis dentes triangulares vel inconspicui itaque calycis os subtruncatus, sed apice alaeformes conspicue e nervis extra protrudentes.

Typus seriei: *P. subcoriacea* C. Y. Wu

20. **短叶假糙苏**　新种

Paraphlomis brevifolia C. Y. Wu et H. W. Li, sp. nov.

Species affinis *P. subcoriaceae* C. Y. Wu, sed foliis oblongis vel ovato-oblongis, undulato-crenatis; calycis dentibus basi conspicue triangularibus, ore non subtruncato differt.

Herba erecta. Caulis obtuse quadrangulatus, pilis pilosis flavescentibus retrorsis densissime obtectus, basin versus defoliatus, non ramosus. Folia oblonga vel ovato-oblonga, 5—8 cm longa, 2.4—3.4 cm lata, apice acuta, basi obtusa ad subrotundata, margine undulato-crenata, subcoriacea, supra dense subtus densius pilis pubescentibus flavescentibus obtecta et aureo-glandulosa intermixta, nervis lateralibus 4—5-jugis, ut costa supra leviter impressis subtus elevatis, oblique adscendentibus, ante marginem anastomosantibus, venis subtus plus minusve prominentibus; petiolus brevis, 3—6 mm longus, plano-convexus, dense flavescenti-pubescens. Verticillastri 2-flori, in axillas foliorum superiorum inserti; bracteae minutissimae, caducae; pedicellus brevis, circa 1 mm longus, dense flavescenti-pubescens. Calyx obconicus, circa 6 mm longus, extus dense flavescenti-pilosulus, intus ad dentes pubescens ceterum glaber; nervis 5, superne conspicuis, inferne inconspicuis; dentibus 5, triangularibus, circa 1.75 mm longis, apice alariformibus conspicue e nervis extra protrudentibus, reflexis. Nuculae immaturae brunneae, oblongo-triquetrae, 2.5 mm longae, 1.5 mm latae, apice truncatae dense pilosulae, basi attenuatae.

Kwangsi: Lo-cheng (罗城), a. 1939, W. Chun (陈文) *84411* (Typus HC).

本种近于近革叶假糙苏 *P. subcoriacea* C. Y. Wu，但叶长圓形或卵圓状长圓形，边緣有波状圓齿，萼齿基部明显三角形，萼口非近截形可区别。

21. **近革叶假糙苏**　新种　图版十七

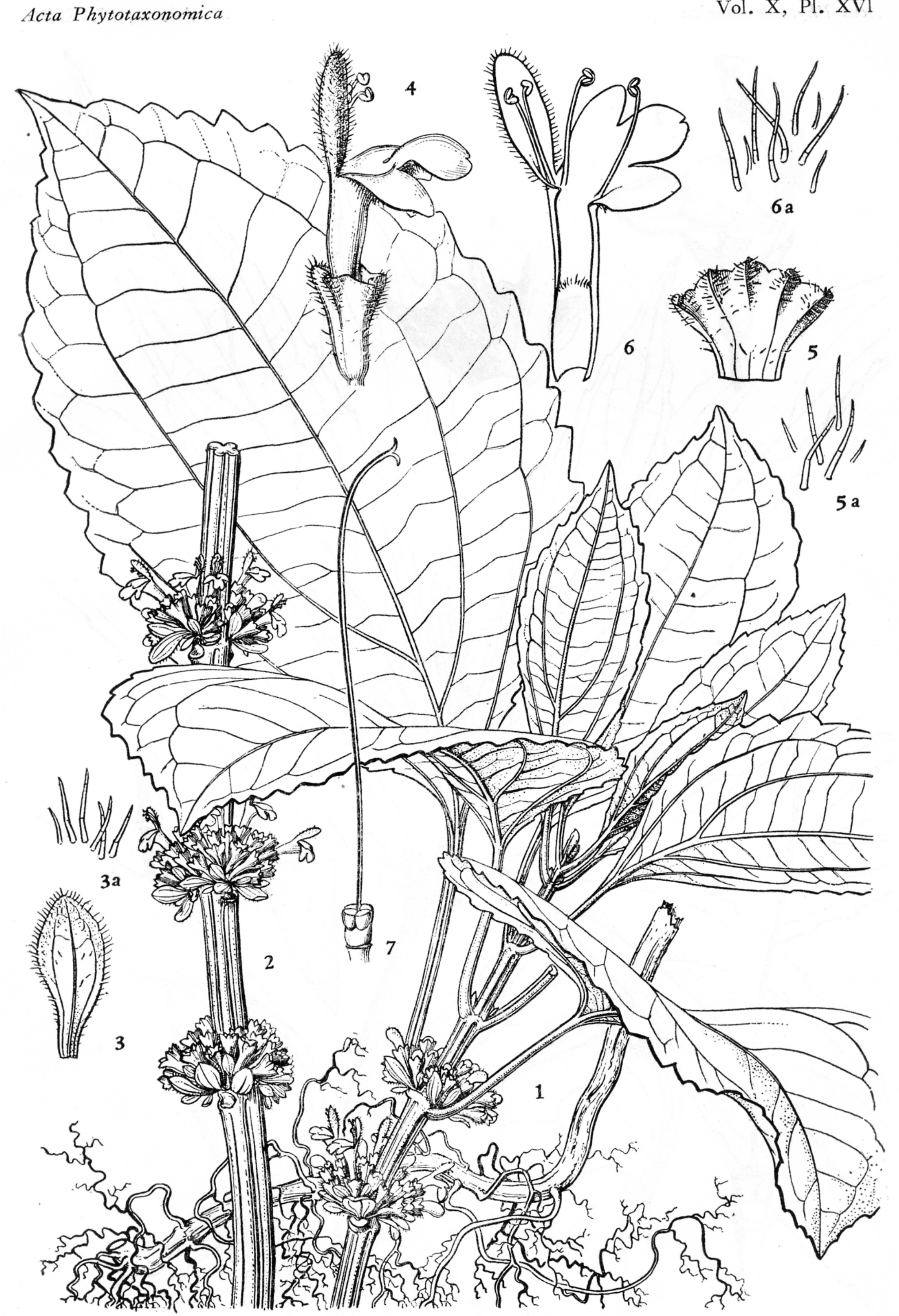
Paraphlomis subcoriacea C. Y. Wu, sp. nov. Pl. XVII

Species similis *P. gracili* (Hemsl.) Kudo, sed foliis subcoriaceis, longe lanceolatis, floribus albis vel purpureo-albis, dentibus calycis paradoxis facillime differt.

Herba erecta, circa 60 cm alta. Caulis obtuse quadrangulatus, inconspicue quadrangulatus, pilis pilosulis flavescentibus retrorsis appressis densissime obtectus, basin versus defoliatus, non ramosus. Folia lanceolata ad longe lanceolata, 7—15 cm longa, 1.5—3 cm lata, apice acuminata, basi angustata et subito obtusa, supra basin remote calloso-serrulata, subcoriacea, supra olivacea, subtus pallidiora, juvenilia supra densissime subtus ad costa nervos venulosque pilis pilosulis flavescentibus appressisque dense obtecta, ceterum glabra, adulta supra ad costa dense ceterum sparse appresseve setulosa, subtus tantum ad costa nervos laterales dense appresseve pilosula, nervis lateralibus 5—6-jugis, ut costa supra leviter subconspicuis subtus elevatis; petiolus 1—1.3 cm longus, pilis pilosulis flavescentibus retrosis appressisque densissime obtectus, ventri sulcatus, dorso convexus. Verticillastri 2—8-flori, in axillas foliorum superiorum inserti; bracteae minutissimae, subulatae, vix 0.5 mm longae, subtus appresse pilosulae, supra glabrae; pedicellus 3—4 mm longus, pilis pilosulis flavescentibus retrosis appressisque dense obtectus. Calyx obconicus, cum dentibus 6 mm longus, extus pilis pilosulis flavescentibus appressisque sparse obtectus, intus glaber; nervis 5, superne conspicuis, inferne evanescentibus; dentibus 5, 1.5 mm longis, inconspicuis itaque ore calycis subtruncato, apice alariformibus conspicue e nervis extra protrudentibus. Corolla alba vel purpureo-alba, circa 1.6 cm longa; tubo calycem paulo superante, extus glabro, intus sub staminibus annulo piloso albo ornato; limbo 2-labiato, labio superiore oblongo, 10 mm longo, 4.5 mm lato, galeato, concavo, apice undulato, extus dense flavescenti-pilosulo, intus glabro, labio inferiore majore, ambitu ovato, horizontaliter patente, extus ad medium sparse pilosulo, intus glabro, 3-lobato, lobo medio majore, ovato. Stamina 4, 2 anteriora longiora, omnia sub labio superiore adscendentia; filamentis filiformibus, complanatis, basi albo-pilosis, ad faucem corollae insertis; antheris oblongis, 2-locularibus, loculis divergentibus. Stylus stamina paulo superans, apice subaequaliter bifidus. Discus cupuliformis, 0.5 mm altus. Ovarium apice truncatum, sparse pubescens.

Kwangtung: Yang-shan (阳山), Wu-yüan-shiang (五元乡), Jun. 20, 1956. L. Teng (邓良) *1572* (Typus HC); ibid., Aug. 7, 1936, L. Teng sine num.

本种似纤細假糙苏 *P. gracilis* (Hemsl.) Kudo, 但叶近于革質，长披針形，花白至紫白，以及特异的蕚齿极易識别。



薄萼假糙苏 Paraphlomis membranacea C. Y. Wu et H. W. Li

1.植株顶部及根，原大； 2.植物下部，示轮繖花序，原大； 3.小苞片，×5； 3a.小苞片上的具节刚毛； 4.花，×3； 5.花萼展开外面观，×3； 5a.花萼顶端的具节刚毛，×20； 6.花冠纵剖，内面观，×3； 6a.花冠上唇的具节刚毛，×20； 7.雌蕊，×6。（绘图标本：云南，河口，刘伟心 *202*）



近革叶假糙苏 **Paraphlomis subcoriacea** C. Y. Wu

1.植株顶部及具鬚根的根茎,自然大; 2.花外面观,×3; 3.花萼展开外面观,示萼齿由肋外向呈翅状伸展而成,×3; 4.花冠纵剖面,内面观,×3; 5.雌蕊,×8。(绘图标本:广东,阳山,邓良*1572*)